

AIM Ann Report
1941 to 1942

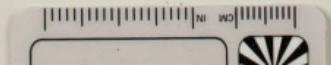
ANNUAL REPORT
OF THE
AUCKLAND
INSTITUTE
AND MUSEUM

1941-42



For Presentation at the Annual General
Meeting to be held on 25th May, 1942.

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Staff of the Museum.

Director	GILBERT ARCHEY, O.B.E., M.A., D.Sc., F.R.S.N.Z.
Acting Director	A. W. B. POWELL, F.R.S.N.Z.
Hon. Numismatist	...	...	...	...	J. C. ENTRICAN.
Hon. Curator of English China	...	...	...	...	C. REGINALD FORD, F.R.I.B.A.
Hon. Curator of Oriental Collections	...	...	...	...	CAPTAIN G. HUMPHREYS- DAVIES.
Hon. Entomologist	...	...	...	...	W. H. HEMINGWAY.
Botanist	...	...	...	...	LUCY M. CRANWELL, M.A., F.L.S.
Ethnologist	...	...	...	...	V. F. FISHER.
Acting Ethnologist	...	...	...	...	OLWYN M. TURBOTT.
Assistant Zoolologist	...	...	...	...	E. G. TURBOTT, M.Sc.
Education Officer	...	...	...	...	ZOE O. LLOYD, B.A.
Librarian	...	...	...	...	M. C. CLELAND.
Bookkeeper and Typist	...	...	...	...	MURIEL PORTER.
Recorder and Typist	...	...	...	...	JOYCE BARTLEY.
Mechanic	...	...	...	...	EDWIN LEECE.
Taxidermist	...	...	...	...	C. W. DOVER.
Cabinetmaker and Joiner	...	...	...	...	FRANK QUAYLE.
Custodian	J. L. DAVY, D.C.M.

Attendants:

J. STEWART, H. G. HOLLAMBY, S. M. BETTERIDGE,
F. LAWTON, G. H. THORNHILL.

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OFFICERS OF THE AUCKLAND INSTITUTE AND MUSEUM 1941-1942

President:

MR. W. A. FAIRCLOUGH. ✓

Vice-Presidents:

MR. C. REGINALD FORD, F.R.I.B.A. ✓
SIR CARRICK ROBERTSON, F.R.C.S. ✓
MR. A. T. PYCROFT. ✓

Council:

HON. T. BLOODWORTH, M.L.C. ✓ MR. A. G. LUNN. ✓
DR. HOLBROOK A. CHATFIELD. ✓ MR. F. CROSSLEY MAPPIN. ✓
MR. J. C. ENTRICAN. ✓ MR. H. C. McCOY. ✓
MR. A. H. JOHNSTONE, K.C. ✓ MR. J. C. RENNIE, LL.B. ✓
MR. V. J. LARNER. ✓ PROFESSOR H. W. SEGAR, M.A., ✓
F.R.S.N.Z.
SIR CECIL LEYS. ✓ MR. E. EARLE VAILE. ✓

Representatives of the Auckland City Council:

✓ HIS WORSHIP THE MAYOR, J. A. C. ALLUM, Esq.
✓ MISS ELLEN MELVILLE. ✓ MR. W. H. FORTUNE.
✓ MR. R. S. HARROP.

Representatives of Local Bodies:

✓ MR. S. DONALDSON. ✓ MR. S. W. HOUSE.
✓ MR. A. MURDOCH.

Trust Board:

MR. V. J. LARNER (Chairman). ✓ MR. A. G. LUNN.
MR. E. ANDERSON. ✓ LIEUT. KENNETH B. MYERS,
SIR CECIL LEYS. ✓ N.Z.A.

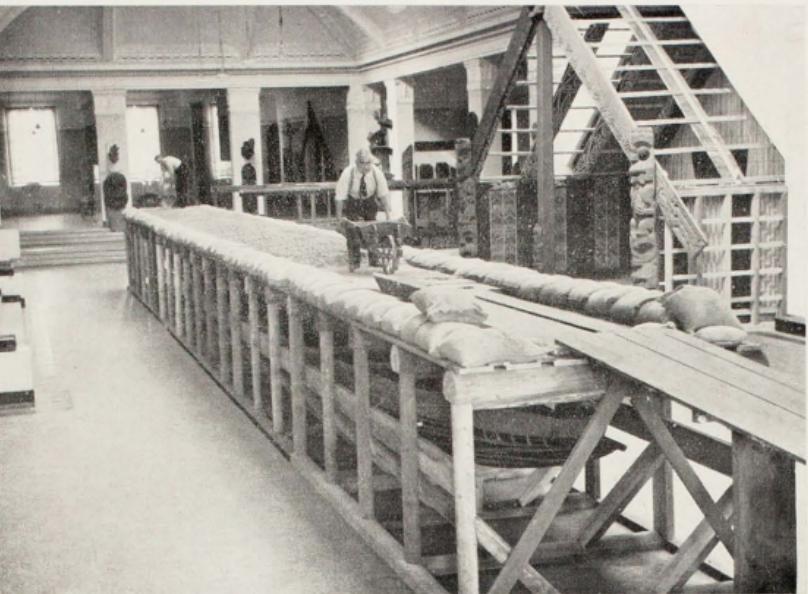
Director:

GILBERT ARCHEY, O.B.E., M.A., D.Sc., F.R.S.N.Z.

Acting Director:

A. W. B. POWELL, F.R.S.N.Z.

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Maori Court, showing the protective structure surrounding the 82ft.
Maori War Canoe.

Reports to Members

President

The 73rd Annual Report of the Auckland Institute and Museum marks the completion of a critical year in a period of great stress for the British Commonwealth of Nations. Under the circumstances, some curtailment and modification of normal museum activities have been inevitable, nevertheless the Museum continues to carry out its most useful function in the community, particularly in providing educational facilities for the young, and in the handling of technical enquiries.

Staff.—The Director, Mr. Gilbert Archey, has been called up by the military authorities and he now serves as Lieut.-Colonel in the 4th Battalion Auckland Regiment (National Military Reserve).

Mr. A. W. B. Powell, Assistant Director, in addition to his regular duties, has been appointed Acting-Director during the term of Mr. Archey's military service.

Mr. V. F. Fisher, Ethnologist, is also serving in the 4th Battalion, and Mrs. O. M. Turbott has been appointed Acting-Ethnologist during his absence.

Mr. R. A. Scobie, Education Officer, is abroad in the New Zealand Expeditionary Force, and Miss Z. O. Lloyd has been appointed in charge of the Education Services during Mr. Scobie's absence.

We have recently lost a member of the honorary staff in the death of Mr. J. D. Richardson, who rendered valuable service as Hon. Photographer since 1939. Mr. Richardson has bequeathed to us a very extensive collection of photographs, lantern slides and data relating to early Auckland, as well as a fine collection of slides featuring native flora and New Zealand nature subjects generally. These collections will be of definite value both as a research unit and as a source of material for the educational service.

Membership.—At the beginning of the year the list comprised 168 life members and 405 annual members. During the year we lost 27 members by death, resignation and deletion, and 26 new members have been elected. The present roll is 572, of whom 165 are life members.

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Obituary.—During the year we have lost by death many valued members: Hon. Sir James Parr, Ven. Archdeacon MacMurray, Lt.-Col. J. M. Allen, M.P., Dr. Kenneth Mackenzie, Dr. Newton Drier, Messrs. J. Alexander, J. Catchpole, G. H. Fleming, W. La Roche, J. A. Pond, R. Pudney, J. D. Richardson, and G. Ryalls, R.N.Z.A.F. I must refer in particular to the passing of the Hon. Sir James Parr, President in 1913-14, and the Ven. Archdeacon MacMurray both of whom rendered distinguished services to New Zealand; and to Mr. J. A. Pond, who had been a member since the 9th June, 1873. Mr. Pond completed 68 years of continuous membership, and both as President and as a member of the Council for 37 years gave valuable and whole-hearted service to the Institute and to research.

Congratulations.—Congratulations are extended to Dr. H. H. Allan on the award of the Hutton Medal, to Dr. H. J. Finlay on his being awarded the Hector Medal, to Dr. R. A. Falla on his election to Fellowship of the Royal Society of New Zealand, and to Mr. E. Earle Vaile on his being awarded the Loder Cup.

A Doctorate of Science has just been conferred on our Director, Lieut.-Colonel Gilbert Archey, and I take this opportunity of inviting you to join with me in extending to him our hearty congratulations.

Council.—Six well attended meetings were held during the year.

Finance.—Receipts were approximately the same as last year; the slight reduction in members' subscriptions is due to the fact that many of our members are serving overseas. The apparently substantial balance of £1,440 in the general account must be viewed in relation to the necessity of providing for two "lean" months from the end of the financial year to the receipt of the Museum maintenance contributions.

Museum.—The nearer approach of hostilities to our shores has called for greater precautions regarding the safety of our national treasures. A large cross-section of the collections has been removed to safer quarters in the country and outer suburbs, but the larger exhibits of the Maori Court presented a problem. The large war canoe, 82 feet in length, cannot now be removed from the building, for it was placed in position before the structure was completed around it. However, a considerable measure of protection has been afforded this priceless relic by the erection over

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it of a framework cover of massive timbers and a layer of sand. The two large *pataka*, Maori food storehouses, have been dismantled and stowed in a safer part of the building and the thatch and other inflammable materials removed from the large meeting house "Hotunui."

In spite of the inevitable disorganisation caused by the packing and removal of specimens, the exhibits other than in the Maori Court have not been noticeably depleted and the Museum services continue to operate satisfactorily, and attendances during the year totalled 161,859.

An exhibit of outstanding interest was received through the generosity of Mr. H. R. Jenkins. This is the historic anchor intimately associated with the ill-fated H.M.S. Bounty, for this relic is believed to have been abandoned by Fletcher Christian and his fellow mutineers in 1789, when they used it as a kedge to free the vessel from a coral shoal in the Papaea Arm of Matavia Bay, Tahiti. After generations of Tahitians had made unsuccessful attempts to raise the anchor, it was at last recovered about 1890.

Smith's Bush.—During the year strong support was given in respect to the securing of Smith's Bush, near Takapuna, as a nature park. This bush is one of the few remaining examples of the original vegetation of the Auckland area that has survived ancient fires and European settlement. It is characterised by an interesting range of species, great size of the older components, and splendid regeneration of timber trees on its margins. It was gratifying that our local bodies entrusted us to frame the appeal both to the Government and the public. The success in acquiring this valuable area of bush as a reserve is in no small measure due to the efforts of His Worship the Mayor, Mr. J. A. C. Allum, his Council and the contributing local bodies. Our thanks are also due to Miss Cranwell for her efforts in this direction, to the Scenery Preservation Committee and the Auckland Botanical Society, also to members of the Council and friends who contributed £100 towards the purchase cost.

In closing my report I would join you in praying for the success of our armed forces and for the speedy return of peace.

W. A. FAIRCLOUGH.

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Chairman, Trust Board

The following statement sets out the movement of investments during the year:—

			£	s.	d.
Awaiting investment	31/3/41	..	..	34	1 6
Mortgages repaid	..	..	..	1,837	0 0
Receiver Land Revenue	..	..	..	1	17 1
Life Members' Subscriptions	..	..	..	31	10 0

New Investment during year:

N.Z. Government War Loan	..	..	..	1,400	0 0
N.Z. Government Bonds	..	..	..	500	0 0

Total Investment Funds:

(a) Invested	..	..	..	31,338	14 9
(b) Awaiting Investment	..	..	..	43	1 1

All the securities are completely satisfactory with the exception of one, which at present shows some arrears in principal repayment.

V. J. LARNER.

Acting Director

Institute Meetings.—Five evening lectures were given during last winter's session. The war atmosphere, coupled with direct restraining influences such as blackout and petrol restrictions, caused only moderate attendances. However, these audiences, although smaller than in peace time, have been none the less appreciative of the lecturers' efforts in providing such an excellent course. Members' thanks for a very interesting series of lectures are due to:—

Mr. Gilbert Archey, M.A., F.R.S.N.Z.: "The Moa—Its Origin, Development and Extinction."

Dr. Chisholm McDowell: "Tuberculosis."

Mr. J. O. C. Neill, B.Sc., A.O.S.M.: "Soil Fertility."

Dr. L. H. Briggs: "New Zealand Plant Products."

Lieut.-Col. E. R. Sawer, O.B.E., M.A., B.Sc.: "Slavery—Abyssinia's Problem."

Two ordinary meetings were also held, papers being read by Miss Lucy M. Cranwell and Messrs. P. B. Fitzherbert, V. F. Fisher and A. W. B. Powell.

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Sunday Lectures—This year economic subjects with a topical New Zealand bearing were selected. Attendances were well sustained throughout.

Professor F. P. Worley, M.A., D.Sc.: "Natural Resources and Industry."
Mr. Percy Parr, M.Sc.: "The Story of Wine."
Mr. G. C. W. Reid: "The Romance of Rubber."
Dr. L. H. Briggs and Miss L. M. Cranwell, M.A.: "Dyeing and Dye Plants."
Mr. H. T. Revell, M.A.: "Iron Seeking in New Zealand."
Mr. G. Hughes: "Linen Flax."

Anthropology and Maori Race Section.—Chairman, Mr. A. T. Pycroft; Hon. Secretary, Mr. R. M. Cassie.

Activities have naturally been curtailed in this section and we have been unable either to hold field days or to print transactions. The membership now stands at 30, including four on active service.

Papers or addresses have been given this year by Mr. Johannes C. Anderson, F.R.S.N.Z., Rev. Father M. Lavelle, Professor H. Belshaw and Mr. V. F. Fisher.

Astronomical Section.—President, Mr. R. A. McIntosh, F.R.A.S.; Hon. Secretary, Mr. T. Rounthwaite.

Five meetings of the section were held during the year and were addressed by Professor P. W. Burbidge, Mr. R. A. McIntosh, Mr. M. Geddes (communicated paper), and Mr. E. G. Jones. The membership is now 39, an increase of 18 on that of last year.

This year marks the first issue of the Section's journal, "Starry Pages," published every three months. In it appear articles of general interest as well as some useful to observers. The success of this project is due to the efforts of the President, Mr. McIntosh, who is also the editor.

The Section wishes to thank the University College Council and Professor Burbidge for the use of the telescope and the Physics lecture room.

Exhibitions and Educational—The tenth Cheeseman Memorial Flower Show was held in September and we are again indebted to Miss Cranwell and the members of the Botanical Society for the successful organisation of a flower show that included notable and novel features. One of these was the timely arrival of the Hawke's Bay Museum Carnegie exchange exhibit of

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wool dyed from native plant preparations which was augmented by demonstrations of spinning given by Mrs. J. P. Purdie and Mrs. A. Puckey. The subject of Dyeing and Dye Plants had been already appropriately introduced at a previous Sunday afternoon lecture.

The Sketch Club instituted by Miss Joan Edwards and Miss Cranwell held a highly successful exhibition of the children's sketches, and photographic studies of bird life by Major G. A. Buddle made another attractive special exhibition.

Miss Zoe O. Lloyd, appointed to the Educational Service for the period of Mr. Scobie's absence overseas, has carried on the work of the department with zeal and signal success. Several new features have been introduced and new equipment acquired, notably a new 16 mm. sound film projector.

Display and Collections.—Although some additional displays have been made during the year, nearly all have been replacements occasioned by the dispersal of valuable material to air raid shelters and other repositories for safe keeping. Thus display has largely been in reverse—an undoing of work that has taken many years to prepare. However, no one will dispute that our first consideration should be the welfare of the collections entrusted to our care. With this fact constantly in mind, the staffs of all departments have been busily engaged in packing and removing research material, irreplaceable records and such specimens and books that would be difficult to replace. All this additional work fell heavily on a depleted staff, but they readily adapted themselves to duties that under normal conditions would indeed seem strange. Mr. Quayle, whose duties became particularly strenuous, soon found himself surrounded by would-be carpenters. Frequently the pen was laid aside for a hammer, a saw and even a pick and shovel. In short, the staff has shown its readiness and ability to fill the breach on all occasions where the immediate task in hand behoved one and all to see it through.

Although the amount of material that has been removed from the Museum is considerable, it has been in the nature of a cross section of the entire collections, and ample remains to ensure the continuance of all museum services.

Additions to the Collections.—Valuable additions have been received in all departments of the Museum, many by gift and some by exchange and purchase. We are indeed fortunate in having received the historic "Bounty" anchor from Mr. H. R.

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Jenkins, the extensive collection of early Auckland records, slides and nature photographs of the late Mr. J. D. Richardson, and a library of 500 botanical and biographic works from Mrs. T. G. Russell. Reference to the accessions detailed at the end of this report shows the variety and importance of the considerable number of individual gifts.

Publications.—The partial disorganisation of normal Museum activities occasioned by the war emergency measures resulted in a delay in the appearance of the annual number of the "Records." It is hoped, however, to have this published shortly. The Council authorised the printing of a second Bulletin, on the Molluscan Family Turridae, which is in the press. The following scientific papers by members of the staff have either appeared or are in the press:—

Miss L. M. Cranwell—

"Vivipary in *Phormium tenax*" (jointly with Dr. H. H. Allan).
"Keys to the Pollen Grains of the N.Z. Flora."

Mr. E. G. Turbott—

"The Distribution of the Genus *Leiopelma* in New Zealand, with a Description of a New Species."

Mr. A. W. B. Powell—

"The Molluscan Family Turridae. New Zealand Recent and Fossil Species, with Notes on Turrid Systematics."

Marine Natural History and Palaeontological Collections. Administrative duties have absorbed more time than usual during the year, resulting in a curtailment of display projects in the departments of mollusca, marine life and palaeontology. However, for more than half of the year systematic routine work comprising identifications, indexing and labelling was kept up to date. In fact very satisfactory progress was made with the world index of molluscan systematics—this index now covering 16,000 entries.

The latter half of the year has been devoted largely to the packing and removal to safer quarters of the bulk of the molluscan reference collections. This war time emergency action is supplementary to the segregation of the important type material mentioned in last report.

The fish collections have been enhanced by several important additions, including a 10ft. 6in. specimen of the Basking Shark, captured by Mr. E. Penno, near Thames, Hauraki Gulf, and a

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Blue-fin Tuna (*Thunnus maccoyii*) from East Cape, presented by Messrs. Sanford Ltd. Excellent casts of these specimens have been prepared for exhibition by Mr. C. W. Dover.

A most useful addition to the Department is a series of seventy charts covering North and South Atlantic, West Indies, Mediterranean and Red Seas, Burma, Philippines, China Seas, Japan, Bering Sea and Western America. These were presented by Captain F. K. Allen, and together with another extensive series presented last year by Mr. Charles Hansen, there is now available a world-wide reference series that greatly facilitates the checking of locality data accompanying specimens.

Six lectures were delivered during the year, one on "How to Use the Museum" being given for the Teaching Aids Refresher Course held in the Museum library during January.

Although the Museum Conchology Club, now in its twelfth year, has been temporarily disbanded since July, 1941 (on account of blackout and transport restrictions) the Club still functions in effect by the efforts of small groups of members.

While enquiries of a general nature have dwindled considerably, an increase in specific and technical enquiries is apparent.

A. W. B. POWELL.

Education Officer.

Although the work of this department was interrupted by Mr. Scobie's departure overseas, a steady flow of classes to the Museum has continued throughout the year. The tendency for classes to pay regular weekly or monthly visits has increased.

The children's section of the Spring Flower Show, which was this year organised by the Education Officer, met with a good response, there being 234 individual entries and 19 school exhibits, and 2,300 children visiting the Museum in classes to be conducted through the Flower Show. The success of the children's display was due in great part to the sustained effort of the country schools.

The Cheeseman Memorial Prize Competition again took the form of a Spring Diary, and though the standard reached by the prize winners was high, on the whole the competition met with a disappointing response.

A series of six Sunday afternoon lectures was arranged during the winter months.

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The 50 school cases have been circulated among 42 city and 30 country schools. In collaboration with Mr. and Mrs. Turbott and Miss Cranwell a series of 12 new school cases were planned. To meet the demand of country schools for Museum cases the present system of loan exhibit material has been extended, and with the co-operation of Mr. Turbott a postal box series on insect life was initiated. In an endeavour to supply additional information for teachers on the subject matter of school cases, Mr. Alley, Director of the Country Library Service, was approached and he has kindly supplied 13 volumes to be sent out with the cases.

Willing assistance by 38 students whom Mr. D. M. Rae, Principal of the Training College, posted to the Museum resulted in the scope of the work being maintained to fullest capacity.

A series of 12 lectures on the Museum Education Service was given to Training College students.

The work this year has been facilitated by the fitting up of the workroom with cupboards. The Education Board has supplied 60 new stools and has painted the schoolroom and improved the method of darkening it. The Education Department also supplied a 16 mm. sound film projector.

In January, under the guidance of Mr. Walter Harris, Director of Visual Aids, a refresher course for teachers was held in the Museum Library.

Further endeavours to obtain free transport for children attending Museum classes were made and a decision from the departments concerned is awaited.

Owing to the packing of the books in the library, the Saturday morning film session was temporarily postponed.

In order to become familiar with different Museum methods, a visit was paid in December to the Napier and the Dominion Museums.

A welcome addition to the education material is the gift by Mr. C. A. Watson of 28 model ships made by his pupils of the Motukaraka School.

Attendances of school children for classes: 267 classes; 10,661 children.

ZOE O. LLOYD.

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Botanist.

Curiously enough, war conditions have meant no decrease in the work of the department, partly because of reorientation: as pure research has been dropped accent has fallen on practical applications—plants for camouflage, plants for wool dyeing, and plants for trade uses. During the Native Flower Show, our 10th, for example, wools dyed with native plants—especially coprosmas and lichens—were featured, and a focus was provided by daily spinning displays by Mrs. J. P. Purdie and Mrs. A. Puckey. At this time 900 guide booklets were sold and 1,000 sheets of information on dyeing were given away. Again, seaweed uses were pleasantly illustrated by Shirley Anne Rose in order to show which species Britain needs urgently from us. Attendances at this show, which was opened by His Worship the Mayor of Auckland, Mr. J. A. C. Allum, were 10,500, of whom 2,300 were school children. Special thanks are offered to Mr. J. E. Attwood, Raetihi, and to Mr. K. Thompson, Huia, who have helped to make each show a success. Many southern exhibits were shown, one of the most striking being a huge cushion of *Donatia* from Awarua bog, near Bluff. The Auckland Botanical Society again met the expenses of the show.

For six months Mesdames Cooper, Craig, Page and Aickin, and Miss V. Montgomery kept up weekly floral arrangements, while the native plant table was kept fresh throughout the year. During May a display of Museum studies by the Sketch Club was made, thanks to Miss Joan Edwards. Under her guidance children gained greatly through an introduction to charcoal, and to Ostwald colours.

The Scenery Preservation Committee has again assisted in saving a piece of bush, this time at Takapuna. This area, known as Smith's Bush, comprises a semi-coastal parklike remnant with many large puriri, kohekohe, taraire and kahikatea. Of the purchase price of £2,000, £800 has been provided by the Government, £715 by local and ad hoc bodies, £60 by the Takapuna Horticultural Society, £100 by the Museum Council and members' donations, and £250 from an anonymous source.

Much time has been absorbed in breaking up the Cheeseman Herbarium for dispersal to minimise war risks. Of necessity field work has dwindled, and few lectures (6) have been given: identification work has changed very little. The chief accessions have been from Mr. V. Lindauer (seaweeds), from Mr. A. D. Beddie (root grafts), while a new cine camera and equipment and a series

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of colour films of New Zealand scenery were left to the department under the will of Mr. O. Gore Adams.

Two papers were finished early in the year; it is hoped that they will shortly appear in the "Records." The titles are:—"Vivipary in *Phormium tenax*" (jointly with Dr. H. H. Allan); "Keys to the Pollen Grains of the N.Z. Flora."

LUCY M. CRANWELL.

Acting Ethnologist.

Activities this year have been mainly directed to the wartime safeguarding of rare specimens and representative research material. Much of the work of packing was done by Mr. Fisher prior to his mobilisation in the National Military Reserve last January. He was also engaged during part of the year in classifying and registering a large part of the Vaile Collection of Solomon Island adzes. In Mr. Fisher's absence the removal of specimens continues, but quite extensive collections are still available to research workers, teachers and students who continue to make use of the facilities offered by the department.

Both the material already sent away and that which remains in the Museum has been examined and treated against deterioration in the usual way.

The programme for display has been interrupted for the present. Partially emptied cases demand quickly designed temporary exhibits, and this has already been done in respect to the oriental section by replacing Chinese material from the reserve collections. This new trend in display is evident in the Maori Hall. Here, where gaps have been made by the removal of specimens, the work of arranging new case units has begun. With the more restricted choice of specimens, increasing use is being made of backgrounds and motifs to make the cases as attractive as possible.

Interviews have included a surprising number requiring demonstration of Maori handcraft techniques. This reflects the growing public interest in methods of weaving, dyeing and plaiting which might be adapted for home arts.

OLWYN M. TURBOTT.

Assistant Zoologist.

"Flight and Migration," featuring both bird and insect material, was chosen as the subject of this year's Carnegie Exchange display. The plain coloured conventional backgrounds in the Hall of New

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Zealand Bird Life allowed the replacement or addition of new material without interfering with the original plan of the displays. Several excellent accidentally killed specimens acquired through the courtesy of the Minister of Internal Affairs have been added.

School cases and boxes of birds and insects were planned in co-operation with the Education Officer, and further wet mounts of reptiles and mammals completed for reference purposes.

A card index for amphibians, reptiles and mammals has been initiated corresponding to one already in existence for birds; and a special effort to increase the collections in the three first mentioned groups has been made.

A paper, "The Distribution of the Genus *Leiopelma* in New Zealand, with a Description of a New Species," has appeared in the Transactions of the Royal Society of New Zealand. Research in collaboration with the Auckland Acclimatisation Society on the food of the grey duck, started in 1940, has been continuous throughout the year.

Independent workers have made use of the research collections and associated data, resulting in the production of four important papers.

Inquiries this year have included a considerable number on insects of economic importance, and an additional service has been the identification of zoological material for the Auckland Hospital Laboratory.

Examinations for Guide and Scout Naturalist Badges have been conducted and bird song imitations have been recorded in co-operation with the Auckland Teachers' Training College for use in educational broadcasts and lectures.

During the latter part of the year normal routine was subordinated to the packing for removal to places of safety of representative collections, lantern slides, negatives and catalogues. This has included to date the moving of the whole of the spirit material and the entire New Zealand insect collection.

While some inconvenience is occasioned to the working of the department by the removal of collections, sufficient is still available to satisfy normal demands.

E. G. TURBOTT.

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Hon. Entomologist.

Pursuant to the Museum's policy of dispersing irreplaceable material as a wartime precautionary measure, the Clarke Collection of N.Z. insects has been entrusted to a kindred institution. The large and varied loan collection, however, remains on exhibition, this material still continuing to attract considerable attention from students and visitors alike.

Although it has been impossible to devote as much time to the department as in previous years, attendance at the Museum on Saturday afternoons was maintained, affording facilities for enquirers.

Field notes were made concerning native and introduced species of lepidoptera occurring in and around Auckland. It was noted, in particular that the vine moth recently accidentally introduced from Australia has not, as yet, become a serious local pest.

W. H. HEMINGWAY.

Librarian.

Library expenditure, £149/4/6, includes: Subscriptions to periodicals £77/5/3, purchase of books £45/8/2, binding £25/1/1, and sundries £1/10/-.

Fifty-seven books have been purchased locally, and 621 have been received by gift. One of this year's donations is so outstanding in value as to call for special mention here. It is 500 volumes chiefly of Botanical and Biographic works presented by Mrs. T. G. Russell, a daughter of the late Professor Brown. This donation, together with those mentioned on another page of this report, will be greatly appreciated by both members and students.

War conditions have naturally effected the Library. Although a large number of the most valuable books has been removed for safe keeping, there remains a substantial amount of reference literature to meet the normal demands of members and students.

The number of periodicals by exchange has naturally decreased, and periodicals subscribed to arrive somewhat irregularly.

The facilities offered to students are steadily becoming more widely appreciated.

MARSHALL C. CLELAND.

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The following

Periodicals and Publications of Societies

are subscribed to by the Institute:

NATURE.
SCIENCE PROGRESS.
TRANSACTIONS AND PROCEEDINGS OF THE ROYAL SOCIETY.
NEW ZEALAND JOURNAL OF SCIENCE AND TECHNOLOGY.
THE MUSEUMS JOURNAL.
THE PHILOSOPHICAL MAGAZINE.
THE AMERICAN JOURNAL OF SCIENCE.
THE PHYSICAL REVIEW.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.
JOURNAL OF THE CHEMICAL SOCIETY.
CHEMICAL REVIEWS.
THE INDUSTRIAL CHEMIST.
THE GEOLOGICAL MAGAZINE.
QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY.
THE GEOGRAPHICAL JOURNAL.
ANNALS AND MAGAZINE OF NATURAL HISTORY.
ANNALS OF BOTANY.
JOURNAL OF BOTANY.
TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL SOCIETY.
THE ZOOLOGICAL RECORD.
PUBLICATIONS OF THE RAY SOCIETY.
THE IBIS.
MAN.
JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE.
ANTIQUITY.
JOURNAL OF EGYPTIAN ARCHAEOLOGY.
OCEANIA.
JOURNAL OF THE POLYNESIAN SOCIETY.
ART IN NEW ZEALAND.
MIND.
THE ECONOMIC JOURNAL.
THE ECONOMIC RECORD.
JOURNAL OF THE STATISTICAL SOCIETY.
QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY.
THE JOURNAL OF ECOLOGY.
MANKIND.
THE GEOGRAPHICAL MAGAZINE.

AUCKLAND INSTITUTE AND MUSEUM.

RECEIPTS AND PAYMENTS ACCOUNT

For the Year Ended 31st March, 1942.

	£	s.	d.		£	s.	d.
To Balance, 1st April, 1941 ..	1,221	19	9	By Salaries and Wages ..	5,754	15	10
.. Subscriptions ..	345	9	0	.. Insurance ..	76	19	2
.. Subscriptions in Advance ..	2	2	0	.. Library Expenses ..	149	4	6
.. Life Members ..	31	10	0	.. Institute Expenses ..	115	13	6
.. Interest—				.. Specimens—			
.. Mortgage ..	627	9	4	.. Purchase ..	211	8	1
.. Debenture ..	474	0	0	.. Collecting and Travelling ..	274	5	2
.. Stock ..	316	9	0	.. School Services, Publications, Prizes ..	564	18	5
.. Local Body Contributions ..	5,700	0	0	.. General Maintenance ..			
.. Sundry Receipts ..	88	10	8	.. Buildings—			
.. Special Donations ..	120	19	10	.. Maintenance ..	58	3	3
.. Receiver Land Revenue—				.. Show Cases and Furniture ..	62	18	3
.. Sales ..	1	17	1	.. Auckland Museum Maintenance Amendment Act,			
.. Rent ..	21	10	7	1931 (Sec. 37)—			
.. Mortgage—Reduction of Principal ..	1,837	0	0	.. Wreaths ..	3	3	0
.. Contributions Specimens Purchase ..	37	4	10	.. Entertainment ..	2	0	2
.. Contributions Shrine Account ..	16	14	0	.. Transfers—			
	<hr/>			.. Investment Account ..	1,837	0	0
	£10,842	16	1	.. Life Subscription Account ..	31	10	0
	<hr/>			.. Specimen Purchase Account ..	37	4	10
				.. Shrine Account ..	16	14	0
				.. Buildings Reserve Account ..	200	0	0
				.. Museum Endowment Account ..	1	17	1
				.. Balance ..	1,440	1	10
					<hr/>		
					£10,842	16	1

INCOME AND EXPENDITURE ACCOUNT.

For the Year Ended 31st March, 1942.

EXPENDITURE.			INCOME.			
	£	s. d.		£	s. d.	
To Salaries	5,754	15 10	By Subscriptions	449	18 6	
.. Insurance	76	19 2	.. Interest Mortgage and Debenture	1,403	14 6	
.. General Maintenance	522	5 6	.. Life Members	31	10 0	
.. School Services, Publications, Prizes	273	12 1	.. Contributions from Local Bodies	5,700	0 0	
.. Institute Expenses	115	13 6	.. Sundry Receipts	69	5 1	
.. <u>Unauthorised Expenditure—</u>			.. Auckland Savings Bank	4	0 9	
Wreaths	3	3 0	.. Post Office Savings Bank	15	4 10	
Entertainment	2	0 2	.. Rest R.L.R.	21	10 7	
.. Sundries	38	6 6	.. Sales R.L.R.	1	0 1	
.. Building Maintenance	59	15 1	.. Memorial Hall and Specimen Purchase	53	18 10	
.. Subscriptions Written Off	18	18 0	.. Carnegie Grant	120	19 10	
.. <u>Transfers—</u>			.. Balance	964	13 0	
Life Subscription Capital Account	31	10 0				
Memorial Hall Trust Fund	16	14 0				
Specimen Purchase	37	4 10				
Museum Endowment Account	1	17 1				
Building Reserve	200	0 0				
.. Depreciation, Building	1,058	0 3				
.. Depreciation, Furniture	625	18 0				
	<hr/> £8,836 13 0			<hr/> £8,836 13 0		

MUSEUM ENDOWMENT ACCOUNT.

	£	s.	d.	£	s.	d.	£	s.	d.
To Balance 31/3/42—				By Balance 1/4/1941—					
Investments	14,168	0	6	Investments	14,091	12	9		
Cash at Bank	43	1	1	Cash at Bank	32	11	9		
	<hr/> 14,211	1	7		<hr/> 14,124	4	6		
Less Reserve for Depreciation	356	5	5	Add R.L.R. Sales	1	17	1		
	<hr/> 12,854	16	2	.. Government Bonds	85	0	0		
	<hr/> £13,854	16	2		<hr/> 14,211	1	7		
				Less Reserve for Depreciation	356	5	5		
					<hr/> 13,854	16	2		
					<hr/> £13,854	16	2		

LIFE MEMBERS' SUBSCRIPTION ACCOUNT.

	£ s. d.		£ s. d.
To Balance 31/3/42— Investments	2,592 1 5	By Balance 1/4/1941— Investments	2,560 11 5
		,, Transfer from Income and Expenditure Account	31 10 0
	<u>£2,592 1 5</u>		<u>£2,592 1 5</u>

ACCUMULATING ENDOWMENT ACCOUNT.

	£ s. d.		£ s. d.
March 31st, 1942— To Investments	356 15 11	April 1st, 1941— By Balance	346 19 11
		March 31st, 1942— By Interest	9 16 0
	<u>£356 15 11</u>		<u>£356 15 11</u>

MACKECHNIE BEQUEST ACCOUNT.

	£ s. d.		£ s. d.
March 31st, 1942— To Balance—Cash in Bank	15 7 0	April 1st, 1941— By Balance	14 18 7
		March 31st, 1942— By Interest	8 5
	<u>£15 7 0</u>		<u>£15 7 0</u>

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SIR JAMES GUNSON TRUST ACCOUNT.

March 31st, 1942—	£ s. d.	April 1st, 1941—	£ s. d.
To Balance—Cash in Bank	210 15 1	By Balance	204 15 1
		March 31st, 1942—	
		By Interest	6 0 0
	£210 15 1		£210 15 1

MEMORIAL HALL TRUST FUND.

March 31st, 1942—	£ s. d.	April 1st, 1941—	£ s. d.
To Balance—Cash in Bank	406 13 6	By Balance	380 9 6
		March 31st, 1942—	
		By Interest	9 10 0
		" Transfer	16 14 0
	£406 13 6		£406 13 6

SPECIMEN PURCHASE FUND.

March 31st, 1942—	£ s. d.	April 1st, 1941—	£ s. d.
To Balance—Cash in Bank	481 15 10	By Balance	431 13 6
		March 31st, 1942—	
		By Interest	12 17 6
		" Transfer	37 4 10
	£481 15 10		£481 15 10

AUCKLAND INSTITUTE AND MUSEUM.

BALANCE SHEET as at 31st March, 1942.

	LIABILITIES.			ASSETS.		
	£	s.	d.	£	s.	d.
Capital Account—						
Property as at 31/3/1941—						
Buildings	221,588	0	3
Library	5,000	0	0
Furniture	22,384	2	0
Specimens	150,136	12	11
				399,108	15	2
Endowments—						
Costley Bequest	7,700	0	0
Mackenzie Bequest	2,000	0	0
Campbell Bequest	1,000	0	0
Herries Bequest	1,000	0	0
Shaw Bequest	1,000	0	0
Nathan Bequest	100	0	0
Marshall Bequest	550	0	0
Goldie Bequest	1,000	0	0
Museum Endowment	13,854	16	2
Life Members' Subscriptions	2,592	1	5
				36,796	17	7
General Account	10,319	10	5
Reserves—						
Mackenzie Library Fund	15	7	0
Accumulating Endowment Reserve Fund (Ambury Bequest)	356	15	11
Gunson Specimen Reserve Fund	210	15	1
Mitchelson Prize Fund	50	0	0
Memorial Hall Trust Fund	406	13	6
Specimen Purchase Reserve Fund	481	15	10
Building Maintenance Reserve	1,719	19	6
				3,941	6	10
Reserve for Depreciation of Investments	356	5	5
Sundry Creditors—						
On Open Account	16	8	6
Subscriptions in Advance	2	2	0
				18	10	6
				£ 443,841	5	11
Buildings—						
1st April, 1941	211,602	0	3
Less Depreciation	1,058	0	3
				210,544	0	0
Furniture and Fittings—						
1st April, 1941	24,973	11	10
Additions	62	18	3
				25,036	10	1
Less Depreciation	625	18	0
				24,410	12	1
Collections—						
1st April, 1941	158,456	8	3
Additions	193	13	0
				158,650	1	3
Library Books—						
1st April, 1941	8,957	18	8
Additions	147	18	3
				9,105	16	11
Investments—						
Mortgages	11,218	1	3
Debentures	11,260	1	1
N.Z. Inscribed Stock	6,741	13	1
N.Z. War Loan	1,363	2	8
Australian Commonwealth Stock	1,982	10	0
				32,565	8	1
Sundry Debtors—						
Interest	25	8	10
Subscriptions	232	1	0
				257	9	10
Cash—						
Bank of New Zealand	300	12	4
Post Office Savings Bank	1,630	10	8
Auckland Savings Bank Accounts	1,335	0	10
Cash in Hand	1	10	0
				3,267	13	10
Income and Expenditure Account—						
Balance 31/3/42	964	13	0
Plus Balance 1/4/41	4,075	10	11
				5,040	3	11
				£ 443,841	5	11

A. W. B. POWELL, Acting-Treasurer.

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List of Benefactions made to the Auckland Institute and Museum of an amount (or value) exceeding £50.

MONETARY GIFTS.

1876 Auckland Citizens: £2,026 subscribed towards first building.
1878 Mr. J. C. Firth donated £106 for show cases.
1884 Mr. Edw. Costley bequeathed £12,150.
1887 Mr. David Nathan bequeathed £100.
1897 Mr. T. Russell donated £100 for geological specimens.
1901 Auckland Citizens subscribed £1,000 for Mair Collection.
1902 Mr. E. A. Mackechnie bequeathed £2,500.
1906 Auckland Citizens subscribed £662 for carved houses.
1911 Auckland Citizens subscribed £684 for ancient carvings.
1913 Sir John Logan Campbell bequeathed £1,000.
1921 Institute Members subscribed £115 for Temple Bronzes.
1923 Sir Wm. H. Herries bequeathed £1,000.
1924 Citizens subscribed £698 for Maori collections.
1925 Institute Members subscribed £100 for Maori collection.
1926 Sir James Gunson Presentation Committee presented £118 for
Maori collection. Mr. David Goldie bequeathed £1,000.
1927 Mr. F. Shaw bequeathed £1,000.
1929 Mr. S. J. Ambury bequeathed £250.
1934 Mrs. R. M. Wilson: £50/10/-, given to establish the Sir Edwin
Mitchelson Prize Fund.

SPECIMENS AND BOOKS.

1876 Mr. R. C. Barstow: Large collection of Maori articles.
1877 Mr. G. F. Edmonston: 564 volumes of scientific works.
1878 Mr. T. Russell, C.M.G.: 34 casts from the antique.
1878-83 Mr. J. T. MacKelvie: 390 books and ethnology collection.
1887 Mr. C. O. Davis: Valuable Maori collection.
1901 Mr. L. D. Nathan: Japanese Shinto Shrine.
1913 Mr. Henry Shaw and Mr. F. Shaw: 172 scientific books. Hon.
Sir Edwin Mitchelson: Valuable Kauri Gum collection.
1915 Dr. C. E. R. Bucknill: Collection of Old English Glass.
1916 Mr. Henry Shaw: Collection of Japanese art.

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1917 Miss Ruth Northcroft: Large Maori and Polynesian Collection
1919 The Misses Yates: Collection of Indian weapons.
1920 Mr. James Dunning: Collection of North American Mammals.
1921 Mr. W. A. Aldred: Valuable collection of Maori specimens.
Hon. J. B. Turner: Important Fijian ethnographical collection.
1923 Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.: The Cheeseman Herbarium of native and foreign plants.
1924 Mr. Wm. Sutherland: Melanesian ethnographical collection.
Mr. A. C. Caughey: Fijian and New Hebridean ethnographical collection.
Mr. R. A. Meek: Ethnographical specimens from Bismarck Group. Messrs. Samuel Vaile & Sons: Large collection of Maori greenstone articles. Sir Cecil Leys and Mrs. Selwyn Upton: The Edge-Partington ethnographical collection of over 2,000 specimens, given in memory of their father, Dr. T. W. Leys.
1925 Mr. F. Crossley Mappin: Valuable Maori and South Pacific exhibits.
1926 Mr. Geo. F. Webster: Valuable Maori antiquities.
Mr. H. R. Butcher: Collection of British coins.
Mrs. E. M. Ball: The Thos. Ball Zoological collection.
Mr. F. Crossley Mappin: Ancient Chinese ceramic specimens.
Mr. Hallyburton Johnstone: Silver cup presented by Queen Victoria in 1878 to the Royal George Yacht Club.
1927 Mr. F. Crossley Mappin: Valuable Maori carvings.
Mr. Moss Davis: Valuable ethnographical specimens.
1928 Sir Cecil Leys and Mrs. Selwyn Upton: Unique and richly carved feather box.
Mr. J. R. Adams Wilkes: Ethnographical collections from Nigeria and New Guinea.
Mr. Harry Kinder: The Dr. Kinder Collection—Maori and Melanesian.
Mr. E. Earle Vaile: Important collection of Maori stone carvings and collection of Eastern ethnographical specimens.
Mrs. S. J. Lushington: Large collection of mollusca.
1929 Mr. T. H. Barstow: Maori canoe prows and stern posts.
Mr. W. R. McGregor: New Ireland carved memorial figures.
Mrs., Miss and Mr. A. N. Cooper: The Charles Cooper collection of mollusca.
Rev. W. H. Webster: Large collection of mollusca.
Mr. C. E. Clarke: Large collection of N.Z. Insects.
Executors Mr. W. M. Cole: Stone and Bronze Age Artifacts.
Miss Webster and Mr. G. F. Webster: Water-colour drawings of the Solomon Islands.

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1930 Mr. John Kenderdine: Large collection of books and pamphlets, including rare early New Zealand works. Mr. H. E. Vaile: A large collection of Maori implements and greenstone ornaments. Mr. Moss Davis: Selected Maori exhibits; also porcelain and ivory. Mr. L. J. Matthews: Two specimens of Moa eggs. Dr. L. Cockayne: Large collection of N.Z. plants.

1931 Sir Cecil Leys and Mrs. Selwyn Upton: Valuable Maori antiquities; additions to the Dr. T. W. Leys collection. Mrs. S. J. Lushington: Collection of Silver and Sheffield Plate. Mrs. A. C. Lennard: Collection of English porcelain.

1932 Mr. H. S. Dadley: Large and valuable collection of Oriental Arts. Mr. Moss Davis: British Gold and Silver Coins and European Ivories and Bronzes. Hon. Sir James Parr: Gold and Silver Mementoes of public events in New Zealand, and case for their display.

1933 Vaile Collection: Additional gift of many valuable Maori antiquities. Mr. W. Goodfellow: Extensive ethnographical collection from Northern Melanesia.

1934 Miss Eleanor Brown and Mrs. Geo. Brownlee: Collection of heirlooms of the Ngati-tou and Ngati-awa Tribes. Messrs. R. B. & G. Matthews: The H.B. Matthews Herbarium.

1935 Mr. F. Crossley Mappin: Maori Specimens, including handsomely carved sternpost. The Admiralty: Model of H.M.S. New Zealand.

1936 Captain G. Humphreys-Davies: Large and valuable collection of Chinese pottery figures. Mrs. T. G. Russell: 235 volumes of chemical and physical works from the library of her father, the late Professor Brown. Mr. E. Earle Vaile: Valuable Maori hei-tiki and Rapa Island stone artifacts. The Estate of the late H. E. Vaile: Maori and Polynesian ethnographical collection; carvings and ornaments.

1937 Mr. E. Earle Vaile: Collection of ethnographical specimens and six Italian bronzes. Sir Algernon Thomas: Library of scientific books and papers.

1938 Mr. E. Earle Vaile: Gift of many early New Zealand books and journals. Mr. J. R. le B. Tomlin: Gift of valuable early editions of natural history works. Mr. F. Crossley Mappin: Early Chinese Pottery and Bronzes.

1939 Mr. E. Earle Vaile: Maori carvings, large Melanesian collection and gifts to the Library. Mr. J. R. le B. Tomlin: Gift of early Worcester china and early works on natural history. Mr. W. Goodfellow: Large Melanesian collection.

1941 Mr. H. R. Jenkins: Historic anchor associated with the ill-fated H.M.S. Bounty. Mrs. T. G. Russell: 500 volumes of botanical and biographic works from the library of her father, the late Professor Brown.

1942 Mrs. A. A. Richardson: The late Mr. J. D. Richardson's extensive collection of early Auckland photographs and lantern slides.

GIFTS
TO THE
Library and Museum

LIBRARY.

PERIODICALS.

New Zealand Parliamentary Reports: Hansard, 1941; Monthly Abstract of Statistics, 1941; New Zealand Journal of Agriculture, 1941; Year Book, 1941.
Publications of the Auckland University College.
Journal of the Alpine Sports Club, Auckland.
Bulletins of the New Zealand Geological Survey.
Bulletins of the Dairy Research Institute, New Zealand.
Fisheries Bulletin, the Marine Department, New Zealand.
Publications of the Cawthron Institute, Nelson.
Records of the Canterbury Museum, New Zealand.
Bulletins of the New Zealand Libraries Association, Christchurch.
Publications of the Council of Scientific and Industrial Research, Wellington.
Bulletins of the Town Planning Institute of New Zealand.
Publications New Zealand Institute of International Affairs.
The Australian Zoologist.
Proceedings of the Linnean Society of New South Wales.
Proceedings of the Zoological Society of New South Wales.
Report of the Fisheries of New South Wales.
The Australian Naturalist, Sydney.
Records and Memoirs of the Australian Museum.
Journal of the Royal Society of New South Wales.
Bulletins and Reports of the Technological Museum, Sydney.
Proceedings of the Royal Society of Victoria.
Memoirs of the National Museum, Melbourne.
The Victorian Naturalist, The Field Naturalist Club of Victoria.
Publications of the Council of Scientific and Industrial Research, Melbourne.
Memoirs of the Queensland Museum.
Proceedings of the Royal Society of Queensland.
Queensland Government Mining Journal.
Publications of the University of Queensland.
Records of the South Australian Museum.
Transactions and Proceedings of the Royal Society of South Australia.
Journal of the Royal Society of Western Australia.
Proceedings of the Royal Society of Tasmania.
Transactions of the Fijian Society, Suva, Fiji.
Kew Bulletin.
Proceedings of the Linnean Society of London.
Bulletins of the Imperial Institute, London.
Publications of the Manchester Museum.

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Proceedings and Reports of the Manchester Literary and Philosophical Society.
Publications of the National Museum of Wales.
Publications of the Conchological Society of Great Britain and Ireland.
Journal of the Marine Biological Association, Plymouth.
Quarterly Bulletins and Reports of the Leicester Museum and Art Gallery.
Proceedings and Reports of the Belfast Natural History and Philosophical Society.
Transactions and Proceedings of the Royal Society of Edinburgh.
Publications of the Department of Agriculture, Pretoria.
Publications of the Department of Commerce and Industries, Pretoria.
Annals of the Transvaal Museum.
Annals of the Durban Museum.
Annals of the Natal Museum.
Publications Fisheries Survey, Cape Town.
Records of the Indian Museum, Calcutta.
Publications of the Colombo Museum, Ceylon.
Bulletins of the Raffles Museum, Singapore.
Bulletins of the Botanic Gardens, Singapore.
Bulletins of the Mauritius Institute.
Bulletins of the Royal Geographical Society, Batavia, Netherland Indies.
Annals of the Botanic Gardens, Java.
Publications of the Marine Biological Station, Red Sea, Egypt.
Bulletins of International News: Mr. Archey.
Pacific Affairs: Mr. Archey.
Transactions of the Royal Society of Canada.
Bulletins and Reports, Department of Mines, Canada.
Proceedings and Transactions of the Nova Scotia Institute of Science.
Publications of the Carnegie Institute of Washington.
Publications of the Carnegie Corporation of New York.
Publications of the State College of Washington.
Publications of Oceanography: The University of Washington.
Publications of the New York Museum of Science and Industry.
Publications of the New York Zoological Park.
Annals of the New York Academy of Sciences.
Publications of the Peabody Museum, Harvard.
Contributions from the Gray Herbarium of Harvard University.
Bulletins, Museum of Comparative Zoology, Harvard.
Bulletins and Circulars, United States Department of Agriculture.
Annual Report and Bulletins of the United States Bureau of Ethnology.
Natural History and Reports, American Museum of Natural History.
Proceedings and Bulletins of the United States National Museum.
Memoirs, Bulletins and Occasional Papers of the Bishop Museum, Honolulu.
Botanical papers: New York Botanical Garden.
Publications of the American Midland Naturalist, Indiana.
Zoological, Geological, Anthropological and Botanical Series: Field Museum of Natural History.
Publications of the South-west Museum, Los Angeles.
Publications of the Charleston Museum, South Carolina.
Publications of the San Diego Society of Natural History.
Publications of the University of California.
Proceedings of the California Academy of Science.
Marine Biology: Stanford University of California.
Bulletins of the California State Fisheries.
Bulletins of the Wagner Free Institute of Science, Philadelphia.

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Publications of the Morris Arboretum, Pennsylvania.
Publications of the Buffalo Society of Natural Sciences,
Occasional Papers, The University of Michigan.
Annals Del Instituto De Biología, Mexico.
Annario Del Inst. De Geología, Mexico.
Revista de Ciencias, Peru.
Annals of the Museum of Natural History, Buenos Aires.
Publications of the San Miguel Observatory, Argentine.
Annals of the School of Mines, Brazil.
Publications and Bulletins of the School of Mines, Buenos Aires.
Bulletins of the Museum of Natural History, Montevideo.
The Philippine Journal of Science, Manila.
Publications De Historia Nat, Uruguay.
Bulletins of the Bureau of the Chinese Delegation, Genève.
Bulletins of the University Library, Uppsala, Sweden.
Publications of Gothenburg Ethnographical Museum, Sweden.
Proceedings of the Physiographic Society at Lund.
Comptes Rendus de l'Academie des Sciences de l'U.S.S.R., Moscow.
Bulletins of the Science Society of China, Nanking.
Bulletins of the Metropolitan Library, Pekin.
National Institute of Zoology and Botany, Shanghai.

REPORTS.

Dominion Laboratory.
Auckland Acclimatisation Society.
The Canterbury Museum.
Wanganui Public Museum.
Otago Public Museum.
National Art Gallery and Dominion Museum.
Department of Scientific and Industrial Research, Wellington.
Fisheries Department, Wellington.
Southland Museum Trust Board.
Canterbury University College.
Wellington Branch of the Royal Society of New Zealand.
Otago University Library.
The Anthropological Society of New South Wales.
The Australian Museum, Sydney.
Geological Survey of Western Australia.
Public Library, Museum and Art Gallery of Victoria.
United States National Museum.
The Bernice P. Bishop Museum, Honolulu.
The Carnegie Corporation of New York.
Harlemere Educational Museum.
Public Library and Museum, Derby.
Queen Victoria Museum, Launceston, Tasmania.
The American Museum of Natural History, New York.
The South African Museum.
National Museum of Southern Rhodesia.
The Egypt Exploration Society.
The Botanic Garden, Singapore.
The Discovery Committee: Discovery Investigations.
Sir Douglas Mawson: Antarctic Expedition Reports.
Gothenberg Museum, Sweden: Ethnographical Studies.

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Books have been presented by Lady Boyd Dawkins, Mesdames C. H. Holland, J. Kenderdine, Purchas and B. Shakespear and Messrs. Bartley, Bentley, G. Dennes, Ford, G. M. Fowlds, Hugonin, A. G. Lunn, C. J. O'Keeffe, T. W. Mellor and J. Stewart.

ACCESSIONS, 1941-1942.

Mr. O. Gore Adams: 16 mm. movie camera, cinema editing apparatus and books. Bequeathed.

Mr. L. W. Alexander: Japanese embroidery.

Captain F. K. Allen: A world-wide series of seventy charts.

Mrs. A. C. Ball: Staffordshire stoneware jug; letter written by W. E. Gladstone in August, 1868, accepting nomination for the south-west Lancashire seat.

Mr. A. B. Blackett: Whale-tooth pendant with serrated edges excavated at Howick.

Major G. R. Blackett: Italian War Equipment from the Cyrenaica campaign. Deposited.

Master Boreham: Four photographs of White Island.

Mr. John Brighouse: Two Santa Cruz Island bows and two wooden Solomon Island clubs found buried in swamp at Kaeo, North Auckland.

Mr. W. E. Browne: Fragments of plaited work and dried kumara; three wooden handles for cultivating implements; small calabash containing fragments of skulls. Deposited.

Mr. Peter Bull: Two walking sticks, one of whale bone and one Maori carved set with paua and greenstone. Deposited.

Mrs. Bunce: Mongoose and cobra.

Mr. R. D. Campbell: Pigeon trough from Waimiha: 3 forestry specimens illustrating resin tapping and durability of sleeper.

Mr. L. D. Chatfield: Specimen of Coir plaiting from Tonga; single barrel duelling pistol.

Mr. W. Clough: Two photographs of incidents and two silk flags taken during Boxer Rising, July, 1900.

Mrs. H. G. Coombs: Four stone arrow-heads from Manitoba. Deposited.

Mr. R. M. Cossey: Maori stone adze from Drury.

Mr. G. T. Crawley: Stone implements, including adzes, a hammer and a beater from Puahue, Te Awamutu.

Mr. C. D. Creagh: Ten stone adzes from various localities; human skull with lower jaw from Ponui Island.

Mr. D. Culpan: Gecko, probably from ship "Matua."

Mrs. G. Delaney: Polynesian ethnographical specimens.

Mrs. Donoghue: Side drum with signatures of members of "E" Coy., 26th Reinforcements 1st N.Z.E.F.

Mr. S. J. Douglas: Letter from High Commissioner for New Zealand to Dominion soldiers arriving at hospital in Great Britain.

Mr. Dunning: Head of grizzly bear from Alaska.

Mr. R. T. Fellowes: Collection of Maori stone adzes and bone fish-hook points.

Mr. E. Fitzgerald: Bourke parrakeet.

Mrs. H. J. Fletcher: Manuscript copy of the late Rev. H. J. Fletcher's "Index of Maori Names." Deposited.

Mr. H. Franklin: Two pairs of Gemsbok horns from Transvaal.

Mr. E. T. Frost: Stone fish-hook shanks; stone adze; and sandstone rubbers from Ahipara.

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Miss M. A. Geddes: Zulu sweat scraper from South Africa.
Mr. W. A. Given: Piece of Iceland spar.
Dr. F. W. Gordon: Sign for Regimental Aid Post at Dead Horse Corner in Ploegsteert Wood, Belgium, 1917.
Miss Mary Grut: Stone adze from Papakura.
Mr. J. Hall: Wooden spoon found at depth of 4 ft., Topuni, North Auckland.
Mrs. J. R. Halverson: Eastern Rosella Parrakeet.
Mr. A. H. Hansen: Water Beetle (*Homeodytes hookeri*) from Waitoa.
Mr. Charles Hansen: Port side steersman's compass from the barque "Rewa."
Hawkes Bay Museum: Stone chisel from Helensville. Exchange.
Mr. G. R. Hutchinson: Sibia (Aviary bird) from India.
Mr. H. R. Jenkins: Historic anchor associated with the ill-fated H.M.S. "Bounty," from Mataiva Bay, Tahiti.
Mr. C. Jesson: Broken mere from Te Kawa; wooden mallet from shores of Lake Rotorua.
Miss D. H. Jones: Small collection of Oamaru seaweeds.
Mrs. J. Kenderline: Lacquer shrine containing carved image of a god.
Mrs. G. S. Kennedy: Quilt made by a returned soldier of the Boer War of British Army uniform material.
Mr. E. S. Kohn: Stone adze from Whakatane.
Dr. P. Marshall: Specimen of spheroidal granite.
Mr. Allan Maxwell: Dagger taken from a German Officer during the second battle of the Somme, 1918.
Miss M. Mendelsohn: Small coconut charm in woven bag from Papua.
Mr. John Michell: Aeroplane petrol gauge; 2-pdr. naval shell made in 1918 and fired in 1930. Deposited.
Dr. David Miller: Silver shawl pin; headband of silver discs; brass breast ornament with cross and small figures; pair of silver ear ornaments. Secured from the Indians of the Mapouche tribe, Cautin Province, Chile, S. America.
Mr. M. L. Millett: Model of French warship by French prisoner of war (dated 1812); Chinese ivory comb and rice paper paintings; three Madras Palmyra baskets; Cingalese tortoiseshell comb; gold moir of Akbar Khan, great Mogul, Godaverai District, Madras, India (taken from the neck of the last victim of the Pachepeuta tigress, May 1876). This tiger had 32 human victims before being shot by the late T. T. Millett, Acting Assistant Superintendent of Madras Police.
Mr. T. Moody: Pigeon Post Message from Gt. Barrier Island, 1903.
Mr. C. R. Moses: Old Roman coin.
Mr. James Mundell: Spade Guinea George III.; half sovereign George IV., and other coins.
Rev. A. MacDonald: Two humming birds (mounted).
Mr. A. W. McNeish: Sun dried moulded bricks, period of Nebuchadnezzar.
Mr. R. S. McPhee: Collection of stone implements and two pecten shells used as rattles from B.C., Canada. Exchange.
Mrs. MacSwiney: Collection of ethnographical specimens from Zululand, South Africa.
Mr. and Mrs. F. J. O'Meara: 2 silver watches.
Mrs. E. Palmer: Copy of "Te Paki o Matariki," October 6th, 1892. Deposited.
Mr. Trevor Perkins: Brown gecko from King Country.
Mr. H. Potts: Two flaked points from North Waikato Head.
Master Tony Potts. Small adze from North Waikato Head.
Mr. E. V. Ralls: .32 calibre 5 chambered M.L. pin fire revolver.

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Miss V. Rich: Ostrich and Emu eggs; silver watch; Maharajpoor Lucknow, 1848 Naval Medals; 2 Queen Victoria Jubilee Medals; 1829 half-crown; specimen small hand writing.

Mrs. A. A. Richardson: The late Mr. J. D. Richardson's large collection of photographic prints, lantern and stereoscopic slides of early Auckland and New Zealand nature subjects. Set of photographs by Josiah Martin of New Zealand forest and Maoris; 2 .45 muzzle-loading flint-lock pistols; .38 muzzle-loading flint-lock pistol.

Mr. C. R. Riesop: Badge of the Railway Battalion, N.Z. Engineers, 1914.

Mr. A. J. Roach: Scarab and copper coin obtained in Egypt about 1860.

Miss Rogers: 18th century copper urn.

Mr. and Mrs. W. R. Rusden: Belt with war badges; 2 Great War medals, and certificates of discharge of Private Rusden.

Mrs. T. G. Russell: Ushabti figure, glazed pottery from Egypt; gold inlaid iron dish from Japan.

Mrs. D. Ryburn: Domestic goose.

Mrs. M. Sainsbury: Two flaked points from the Province Chubut, Southern Argentine. Found by donor on the beach at Egg Harbour.

Mrs. Schmidt: Five wooden clubs from New Britain.

Mr. L. Simmons: Copper coin of reign of James II.

Mr. I. Sparks: 9 scale models of the main types of allied and German aeroplanes used in the Great War, made by the donor.

Mrs. Sarah Ann Stancliffe: Lion's head Meerschaum pipe. Bequeathed.

Mr. L. J. Stevens: Tooth of *Carcharodon rondeletti* from the hydraulic limestone at Hikurangi.

Mr. C. Stone: Early American clock.

Mr. Thomas: Original drawings and correspondence connected with the late Professor Sir Algernon Thomas' epic paper on the life history of the liver-fluke.

Mr. S. J. Tisdall: William III. Crown dated 1696.

Mr. L. H. Trenn: Pearl shell coconut scraper from Manihiki.

Mr. E. Earle Vaile: Collection of Trade Tokens and silver and copper coins.

Mr. P. M. Wagener: Greenstone chisel found at Motutangi, between Waipapakauri and Houhora.

Mr. C. A. Watson: 28 ship models made by pupils of Motukaraka school under direction of donor.

Rev. N. O. White: Eggs of cassowary, emu and ostrich.

Mr. Albert White: Lee Enfield MK I. .303 rifle with carved butt used in Boer War.

Mr. David Young: Stoneware teapot, early Wedgwood dry-body (pie crust) ware.

Auckland Zoological Park: Westermann's Cassowary from New Guinea.

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Members of the Auckland Institute.

Members are requested to advise the Secretary of any change
of Address)

*On Military Service.

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Sir Cecil Leys.

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Wilson, F. J. C.
Wilson, J. A.
Wilson, Mrs. A. B.
Wilson, W.
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D.Sc.
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Wright, Hugh C.
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AIM Ann Report 1941 to 1942

The Auckland Institute and Museum is an educational institution which gives free service to the whole community throughout the year.

Money is urgently needed to widen its activities and increase its service to the community by the spread of knowledge among present and future citizens.

If additional help cannot be given now, a bequest would be of great value.

Form of Bequest.

I give and bequeath to the Institution known as the Auckland Institute and Museum the sum of £..... free of succession or estate duty to be applicable for the general purposes of such Institution. And I declare that the receipt of the Treasurer or the proper officer for the time being of such Institution shall be a sufficient discharge for the same.

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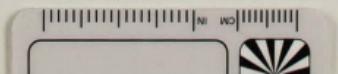
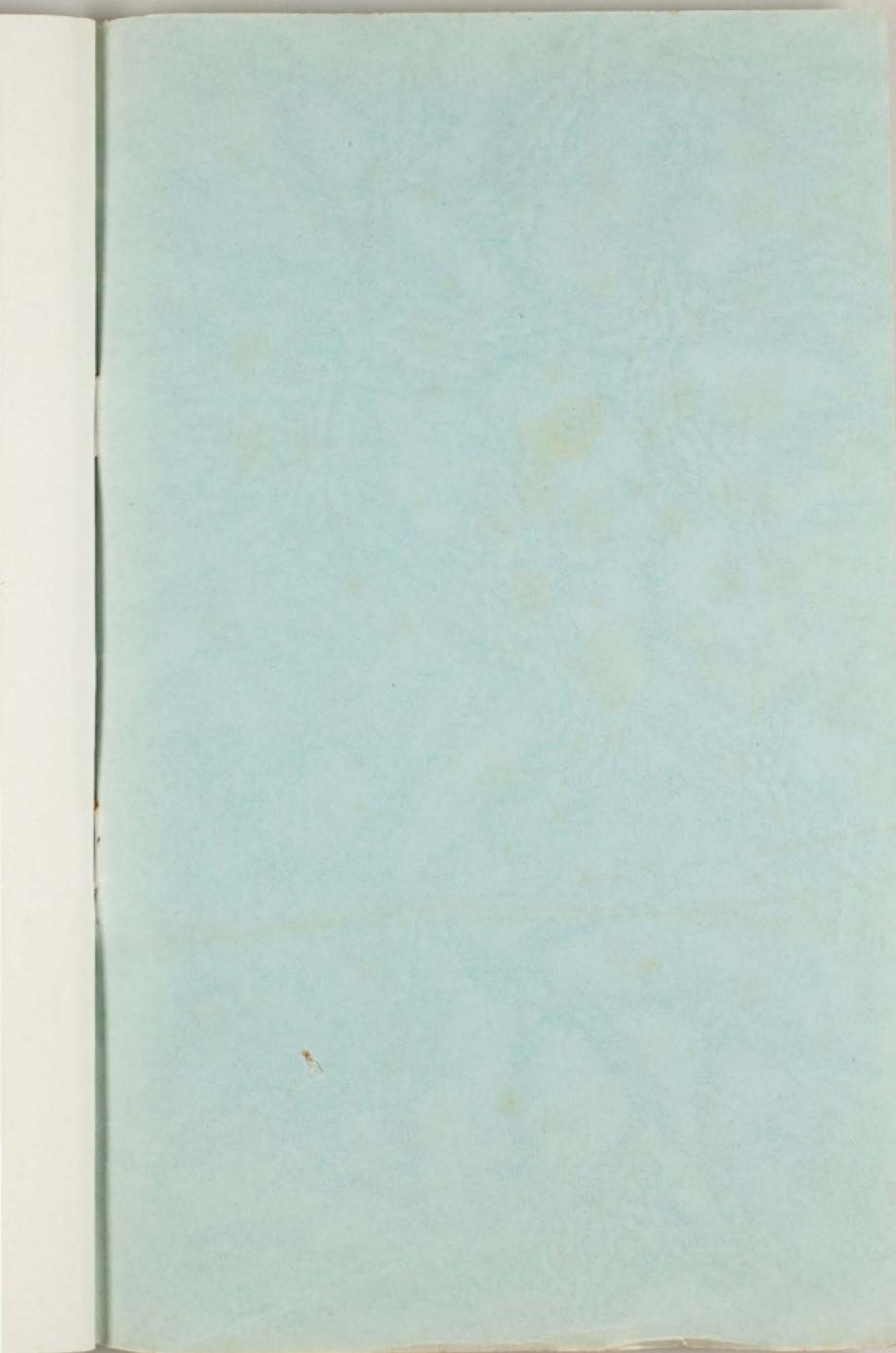
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